

# 7.5.x Release Notes

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## 7.5.11 Release Notes

### Improvements

1	<b>Support for Cloudera CDH 6.3.3</b>	DAP-40377
	Datameer now supports Cloudera 6.3.3 while HBase 2 support is not included.	
2	<b>Workbook: Extend variable value length</b>	DAP-40265
	Within a fresh Datameer distribution, it is now possible to create variable values with more than 255 characters.	
3	<b>Support for Cloudera CDP-DC Runtime versions 7.0.3 and 7.1.1</b>	DAP-40432
	Datameer now supports Cloudera Runtime versions 7.0.3 and 7.1.1 from CDP-DC, while HBase 2 support is not included. This is recommended for using Datameer 7.5 as stop-over version upgrading to newer Datameer versions.	

### Bug Fixes

1	<b>Import job is still referenced in workbook meta data after deleting the according datasource from workbook</b>	DAP-40321
	The workbook does not hold a reference to the removed import anymore.	 Bug fixed.

## 7.5.10 Release Notes

### Improvements

1	<b>Tableau Export Connection: Parallel TDE/ Hyper file generation for Tableau Server exports</b>	DAP-39846
	Setting the property 'das.splitting.disable-combining=true' while configuring a Tableau connection runs the jobs significantly faster. It is verified that an export of a sheet to the Tableau server launches multiple tasks.	
2	<b>Plug-Ins: Tableau Plugin allows TDE/ Hyper exports to be setup from non-Linux systems</b>	DAP-40147
	The plug-in for Tableau now allows TDE/ Hyper exports to be setup from non-Linux systems.	

### Bug Fixes

1	<b>Tableau Export: Tableau ExportJobs performance issue</b>	DAP-40034
	The property 'das.splitting.disable-combining=true' while configuring a Tableau connection runs the jobs significantly faster and multiple tasks can be launched.	✔ Bug fixed.
2	<b>Workbook: Duplicating or copy/ pasting a workbook returns an error</b>	DAP-40067
	Workbooks can be copied and pasted without an error again.	✔ Bug fixed.
3	<b>Workbook: Can't rename a column in a 'Join Sheet' because of a 'RegularRequirementNotMetFailure' exception</b>	DAP-40130
	Column renaming in a 'Joint Sheet' is possible because the broken references check implemented for transformed sheets doesn't affect renaming at other sheet types.	✔ Bug fixed.
4	<b>Avro Import: 'NoSuchMethodError' with CDH-5.14.4 (Hadoop distribution jackson jar binary incompatible)</b>	DAP-40142
	Importing Avro files works on Cloudera CDH-5.14.4 distributions.	✔ Bug fixed.
5	<b>Workbook: Datameer OOM crash when viewing sorted sheet data</b>	DAP-40151
	The new property 'das.data-download.merge-sort.max-total-file-size' is introduced to control (volume based) if the sorting will happen in full data view or not. The default value is 256MB.	✔ Bug fixed.
6	<b>Datameer Mode: Prevent mixed content issues if Datameer is configured in SSL mode</b>	DAP-40176
	The button "New System" within 'External Systems' is available for entitled users such as an Admin in a SSL enabled installation, too.	✔ Bug fixed.

## 7.5.9 Release Notes

### Bug Fixes

1	<b>Dev Controller: Cache monitor 'Clear Cache' doesn't purge data</b>	DAP-40005
	The DFS cache is now cleared when clicking the "Clear Cache" button.	 Bug fixed.
2	<b>Workbook: Unable to duplicate or copy/paste a folder</b>	DAP-40008
	Duplicating, copying and pasting a folder as well as artifacts are possible again without any duplicate key constraint error.	 Bug fixed.
3	<b>Workbook: Filtering on a column with DENUALLYIFY function causes an 'IllegalArgumentException'</b>	DAP-40017
	The Datameer function 'DENUALLYIFY' works as expected again.	 Bug fixed.
4	<b>File Browser: Show 'Dependencies' is very slow and keeps loading</b>	DAP-40023
	The 'Dependencies' are now displayed in an appropriate amount of time when clicking the icon.	 Bug fixed.
5	<b>Workbook: External sheet doesn't get notified if the source column is deleted</b>	DAP-40041
	All changes in the source workbook are respected in the children's workbook, too.	 Bug fixed.
6	<b>Workbook: 'EXPAND' function column position shows the incorrect result for 'GROUPOWNUMBER'</b>	DAP-40087
	Using the 'EXPAND' function shows the correct sequence for 'GROUPOWNUMBER' again.	 Bug fixed.

## 7.5.8 Release Notes

### New Feature

1	<b>Add REST API call to look up what UUID's properties are</b>	DAP-31229
	For a UUID Datameer provides the JSON containing the information about the artifact analog to a REST READ call for an artifact ID.	

### Improvements

1	<b>Remove 'superuser' related properties from 'live.properties'</b>	DAP-39910
	The properties 'das.superuser.enabled', 'das.superuser.username' and 'das.superuser.password' are now removed from the 'live.properties' and listed in the default properties only. The properties are disabled per default.	

### Bug Fixes

1	<b>Workbook: Inconsistency in error messages for workbooks without shared source</b>	DAP-38108
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	Error messages are adjusted and are now consistent for error when working with a shared workbook without a shared source.	 Bug fixed.
2	<b>Infographics: DataSetsController REST API copies full workbook or import job data to DFS (EhCache), therefore the conductor disk space is filling up</b>	DAP-39990
	The DFSCache button on the developer's page is working again and data is now cleaned up as expected.	 Bug fixed.

## 7.5.7 Release Notes

### Improvements

1	<b>Add Support for Amazon EMR 5.28.1</b>	DAP-39877
	Datameer now supports Amazon EMR 5.28.1.	
2	<b>Add Support for Amazon EMR 5.29.0</b>	DAP-39878
	Datameer now supports Amazon EMR 5.29.0.	

### Bug Fixes

1	<b>Property API: Keyup event for property info input fields of the Property API is not working</b>	DAP-39015
	Keypup event now triggers the same actions as for example a change event.	 Bug fixed.
2	<b>Cannot export Runtime Analytics sheets to Hive</b>	DAP-39472
	Runtime Analytics sheets can now be exported to Hive.	 Bug fixed.
3	<b>Partition data table should be indexed for efficient group by queries</b>	DAP-39662
	Datameer now adds an index for 'data_partition.relative_path' and 'data_partition.index_key' columns to improve query performance to its metadata database.	 Bug fixed.
4	<b>LDAP users with more than 1,500 members in their group are not recognized</b>	DAP-39680
	All users within a group of more than 1,500 members can now be authenticated.	 Bug fixed.
5	<b>WorkbookHealthCheck fails with java.lang.StackOverflowError</b>	DAP-39805
	Datameer's 'WorkbookHealthCheck' now successfully runs for a large number of workbooks in an environment (e.g. 15,000 workbooks or more).	 Bug fixed.

6	<b>Plug-in Hive-JDBC: Include Hive common JARs for Amazon EMR distributions</b>	DAP-39843
	The correct 'httpclient' and 'httpcore' JAR dependencies are now packaged with the plug-in hive-jdbc for Amazon EMR distributions.	✔ Bug fixed.

## 7.5.6 Release Notes

### Improvements

1	<b>Tableau Hyper Export: correct libstdc++ library version loading</b>	DAP-39115
	<p>Datameer now injects the path to Tableau's native libraries into LD_LIBRARY_PATH for Tez environments when Tableau Server Datastores are used. This can be controlled via the custom property:</p> <pre>das.tableau.hyper.native-library-path-injection={true   false}</pre>	
2	<b>Add Support for Amazon EMR 5.28.0</b>	DAP-39695
	Datameer now supports Amazon EMR 5.28.0.	

### Bug Fixes

1	<b>Workbook: Buttons are enabled in File Browser Dialog when they shouldn't</b>	DAP-39495
	Datameer now ensures that the 'Add Data' button, 'Exchange Data' button and 'Open Workbook' are enabled in the correct context only.	✔ Bug fixed.
2	<b>Incorrect Daylight Saving Time (DST) related date value conversion during Hive import</b>	DAP-39569
	Datameer now properly handles DST related conversions while importing data values from Hive.	✔ Bug fixed.
3	<b>Workbook: Renaming the source column of an Encoding sheet leads to an error if submitted by sheet switch</b>	DAP-39622
	Renaming of a workbook column is handled when executing a sheet switch.	✔ Bug fixed.
4	<b>Plug-in Hive: Hive Export fails with wrong impersonating user when it is triggered by dependent workbook with a different owner</b>	DAP-39754
	Datameer now impersonates the correct user when an export job from a workbook is triggered.	✔ Bug fixed.

## 7.5.5 Release Notes

## Improvements

1	<b>Optimize multimap value removal code in CombineOnlyDataLocalAlgorithm</b>	DAP-39565
	Combining splits performance has been improved especially for a large number of splits to combine.	
2	<b>Add Support for CDH 6.3.2</b>	DAP-39657
	Datameer now supports Cloudera CDH 6.3.2.	

## Bug Fixes

1	<b>Hot deployment of a plug-in fails if the plug-in contains a DataStoreType implementation</b>	DAP-38885
	A plug-in containing a DataStoreType can now be installed and uninstalled in the 'Admin' tab section, (e.g. Hive plug-in.)	✔ Bug fixed.
2	<b>REST API to download results doesn't return all records by setting 'rest.download-data.records-max=0'</b>	DAP-39386
	Datameer respects the setting 'rest.download-data.records-max=0' and provides all records for the download.	✔ Bug fixed.
3	<b>Hive 2 plug-in: ImportJobs and Datalinks are failing on Hadoop Namenode and Resource manager high availability environments</b>	DAP-39397
	Hive 2 plug-in based Importjobs and Datalinks now run successfully on high availability environments.	✔ Bug fixed.
4	<b>'Workbook' tab doesn't close after 'Close &amp; Save'</b>	DAP-39417
	After closing and saving a workbook, the 'Workbook' tab closes and the user is redirected to the 'File Browser' tab.	✔ Bug fixed.
5	<b>Hive String queryTemplate for SHOW PARTITIONS is incorrect</b>	DAP-39438
	The string for queryTemplate now shows the required syntax using back-ticks for every single part of the Hive query.	✔ Bug fixed.
6	<b>Visual Explorer: Explorer can't be closed via 'Escape' key</b>	DAP-39446
	Visual Explorer dialog now closes when the 'Escape' key is pressed.	✔ Bug fixed.
7	<b>Workbook config: false errors on correct CRON pattern</b>	DAP-39458
	Datameer now recognizes a valid CRON pattern and does not throw an error on a valid pattern erroneously.	✔ Bug fixed.
8	<b>Scheduled jobs remain indefinitely in the processing queue if the Kerberos password is changed</b>	DAP-39474
	A scheduled job occurring between a Kerberos password change no longer the processing queue.	✔ Bug fixed.

9	<b>Visual Explorer should dismiss dialogs in correct order on 'Escape'</b>	DAP-39504
	Pressing 'Escape' dismisses the respective front dialog (e.g. x-y-axes definition dialog instead of closing the whole Visual Explorer dialog).	 Bug fixed.
10	<b>Workbook: save dialog doesn't open when user selects 'Close &amp; Save'</b>	DAP-39509
	Closing a new workbook from the file browser now redirects to the workbook save dialog.	 Bug fixed.

## 7.5.4 Release Notes

### New Feature

1	<b>Support Engineer Plug-in - Customer Usage Analytics</b>	DAP-36640
	The SEP contains both high-level metadata and various logs from within Datameer environments. This allows administrators to easily pass necessary information to the Datameer support engineers.	

### Improvements

1	<b>Plug-in Hive: Support Export into new table in format Parquet, ORC, Avro or Text File</b>	DAP-38804
	When exporting data to Hive, the user is presented with a simple drop-down menu to select the file format. You can choose between Parquet, ORC, Avro and Text File.	
2	<b>Improve searching for folders within the file browser</b>	DAP-38862
	Easily search for files by paths or by folder names.	
3	<b>Support for Parquet File Format with types Date and Timestamp</b>	DAP-39000
	If date and timestamp are data types, use monospace. The data types <code>DATE</code> and <code>TIMESTAMP</code> are supported when exporting to Parquet file type.	
4	<b>Materialize all SQL sheet inputs, join optimizer</b>	DAP-39011
	Execution of SQL joins within workbooks is decreased when using the improved join optimizer.	
5	<b>Workbook validity report</b>	DAP-39389
	Datameer provides report that identifies workbooks missing data sources or other similar issues.	
6	<b>Hive: partition location cache scheduling has been removed</b>	DAP-39392
	Datameer does not cache partition locations on a schedule, only on demand.	
7	<b>Production Mode: In-Place Filter Prevents Projection Push-down for Data Links</b>	DAP-39395

	In production mode, the column projection feature is available for data links. This is a performance improvement for workbooks using filter conditions and not processing all columns ingested from the datasource.	
<b>8</b>	<b>Add Support for Amazon EMR v5.27.0</b>	<b>DAP-39457</b>
	Datameer now supports Amazon EMR 5.27.0.	
<b>9</b>	<b>Add Support for CDH 6.2.1</b>	<b>DAP-39461</b>
	Datameer now supports CDH 6.2.1.	
<b>10</b>	<b>Add Support for CDH 6.3.1</b>	<b>DAP-39462</b>
	Datameer now supports CDH 6.3.1.	

## Bug Fixes

<b>1</b>	<b>Artifact ( IJ, Wbk, FU, DL, EJ ) status not updated in dependency view</b>	<b>DAP-37822</b>
	The entity status in the dependency view reflects the current status (success/ error/ canceled) of this entity.	 Bug fixed.
<b>2</b>	<b>Workbook: Valid SQL queries are not highlighted as errors</b>	<b>DAP-37984</b>
	Datameer erroneously marked valid SQL statements as false.	 Bug fixed.
<b>3</b>	<b>Download workbook data runs in ArrayIndexOutOfBoundsException</b>	<b>DAP-38839</b>
	The download of workbook data is not influenced by workbook changes after the run. Furthermore partition selection is no longer possible after the sheet containing a date column was deleted.	 Bug fixed.
<b>4</b>	<b>Error when importing a worksheet from a sorted workbook in production mode</b>	<b>DAP-38874</b>
	Importing a worksheet from a sorted workbook in production modes has been fixed.	 Bug fixed.
<b>5</b>	<b>Hive2-plugin: Append-Export in s3 located table overwrites existing data ( unpartitioned tables )</b>	<b>DAP-38918</b>
	Records in a Hive table with S3 location are appended when the job export configuration to this table is configured to "append" records. When the configuration is set to "overwrite", the records are overwritten.	 Bug fixed.
<b>6</b>	<b>AdminVariables: Hover state of buttons has been corrected</b>	<b>DAP-39113</b>
	While editing admin variables within IE 11, all buttons have the correct color now. The hover state disappears as expected.	 Bug fixed.
<b>7</b>	<b>Error when creating a variable with more than 255 chars</b>	<b>DAP-39114</b>

	Variable names can have a maximum of 255 characters. Variable values can have a maximum of 255 characters.	 Bug fixed.
<b>8</b>	<b>Workbook: variables not listed on workbook details / job run details page when job was scheduled/data driven</b>	<b>DAP-39154</b>
	When a workbook is data driven by an import job or scheduled, all variables are listed within the job run details/ details page.	 Bug fixed.
<b>9</b>	<b>SER: improve how the config files are displayed</b>	<b>DAP-39211</b>
	JSON config file are displayed as key-value pairs, making them both machine and human readable.	 Bug fixed.
<b>10</b>	<b>Workbook: formulas are applied on loss of focus</b>	<b>DAP-39258</b>
	When a column loses focus or when adding a new sheet, any changes to a formula are applied without user interaction.	 Bug fixed.
<b>11</b>	<b>Backup/Restore does not abort when encountering broken artifacts</b>	<b>DAP-39297</b>
	Even if there are broken artifacts, a backup continues and logs the broken files.	 Bug fixed.
<b>12</b>	<b>Hive-Jdbc: Rescan Schema leads to SaslException on NMU environment</b>	<b>DAP-39308</b>
	Rescan schema now works without generating an exception for hive JDBC running in DM NMU mode	 Bug fixed.
<b>13</b>	<b>Hive2-plugin: Export with mode Create New and policy RECREATE fails if table exists on NMU environment</b>	<b>DAP-39318</b>
	The export with mode "Create new if not exist" and policy "Drop and create new table" (RECREATE) works if the table exists on the NMU environment. This works for external and managed tables as well for HiveServer2 and Metastore based export jobs.	 Bug fixed.
<b>14</b>	<b>Workbook: inconsistent column names if sheet has empty columns</b>	<b>DAP-39322</b>
	Column naming for SQL sheets now follows the usual conventions (A, C, C1, ...).	 Bug fixed.
<b>15</b>	<b>Hive2-plugin: "Table Output Format" Select looks unformatted in Export Wizard</b>	<b>DAP-39324</b>
	The "Table Output Format" select field to the "Data Details" section within the Hive export wizard is now correctly formatted.	 Bug fixed.
<b>16</b>	<b>Admin page: inform user if SER plugin is disabled/unavailable</b>	<b>DAP-39326</b>

	When the Support Engineer Plugin is disabled or unavailable, the section "Support Engineer Plugin" is removed from the admin section.	 Bug fixed.
<b>17</b>	<b>SER: browser tab has wrong title</b>	<b>DAP-39328</b>
	Being on the "System & Usage Report" section now displays the correct heading ("System & Usage Report") in the browser.	 Bug fixed.
<b>18</b>	<b>SER: download icons disappears after clicking it</b>	<b>DAP-39329</b>
	After clicking the download icon for a log, the icon stays visible.	 Bug fixed.
<b>19</b>	<b>SER: environment information json is empty after download</b>	<b>DAP-39331</b>
	When downloading the whole "System & Usage" report, the environment jSON file contains content.	 Bug fixed.
<b>20</b>	<b>IE11: System &amp; Usage Report shows blank page</b>	<b>DAP-39343</b>
	When opening the "System & Usage Report" section, all expected content appears. The download works again and single logs can be downloaded as expected.	 Bug fixed.
<b>21</b>	<b>Customer Upgrade: ExportJob forcing append</b>	<b>DAP-39365</b>
	Hive export jobs are no longer duplicated after upgrading from Datameer 7.1 to 7.5. In case of recreating or overwriting, old data from a Hive managed table is deleted. In case of recreating or overwriting from a Hive external table will not be deleted.	 Bug fixed.
<b>22</b>	<b>Error dialog has broken layout if variable name is too long</b>	<b>DAP-39393</b>
	Error dialogs with long variable names are displayed correctly. Long variable names are broken to the next line now.	 Bug fixed.
<b>23</b>	<b>Filebrowser: search function in folders with whitespace not working</b>	<b>DAP-39411</b>
	Searching on the file browser takes whitespace into account and doesn't cause errors.	 Bug fixed.
<b>24</b>	<b>Add to Formula doesn't add formula to formula editor from Browse Columns if working/browsing same sheet</b>	<b>DAP-39439</b>
	Clicking the "Add to formula" button adds a formula to the formulas editor from "Browse Columns" if working the same sheet.	 Bug fixed.
<b>25</b>	<b>v7.5: Customer Upgrade: Join Columns in Error</b>	<b>DAP-39456</b>

Cascading errors in join sheets don't appear any more. After an upgrade to Datameer version 7.5, columns are migrated successfully. Circular dependencies are detected. Broken workbooks stay broken with the same error.	 Bug fixed.
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## 7.5.3 Release Notes

### Improvements

1	<b>Add support for Google Cloud Service (GCS) protocol to import and export files</b>	DAP-20331
	Datameer supports import to and export from 39146 Google Cloud Service (GCS) connections.	
2	<b>Join Operation Should Compute Inputs in Parallel instead of one at a time</b>	DAP-39146
	For improved performance, join of two data links now computes inputs in parallel to prevent the creation of too many DAG(s) on the cluster, and the Map-Side join picks the smallest of the two inputs to cache in memory.	
3	<b>Plug-in Hive: improve implicit mapping for type BigInteger</b>	DAP-39147
	When exporting into existing Hive tables Datameer's "BIG_INTEGER" can also be exported as Hive "decimal."	
4	<b>Add Support for CDH 5.16.2</b>	DAP-39131
	Datameer now supports CDH 5.16.2.	
5	<b>Add Support for CDH 6.3.0</b>	DAP-39169
	Datameer now supports CDH 6.3.0.	
6	<b>Add Support for Amazon EMR 5.24.1</b>	DAP-39132
	Datameer now supports Amazon EMR 5.24.1.	
7	<b>Add Support for Amazon EMR 5.25.0</b>	DAP-39170
	Datameer now supports Amazon EMR 5.25.0	
8	<b>Add Support for Amazon EMR 5.26.0</b>	DAP-39284
	Datameer now supports Amazon EMR 5.26.0	

### Bug Fixes

1	<b>Upgrade scripts are ignored when using Maria DB</b>	DAP-39293
	For a fresh installation, the <i>optional_upgrade</i> table in Datameer's metadata database now gets filled, therefore all included optional upgrades for the current Datameer version are set as expected.	 Bug fixed.

2	<b>BigQuery import job Data Details wizard page UI reload doesnt adhere to selected table</b>	DAP-39230
	When editing an existing BigQuery import, the selected table is the same as before the point of creation.	 Bug fixed.
3	<b>Google BigQuery import connector non-US region datasets failure</b>	DAP-39217
	BigQuery connector works for datasets residing in regions other than USA. <b>Note:</b> the temporary dataset and dataset from which you are importing data must reside in the same geographical region.	 Bug fixed.
4	<b>After opening a workbook by path can't switch tabs back to that workbook</b>	DAP-39197
	It is possible to switch tabs from file browser to the workbook when opening a workbook by path.	 Bug fixed.
5	<b>Can't create a Variable if Datameer serves via SSL</b>	DAP-39167
	The mentioned source gets called via HTTPS as well when SSL/TLS is enabled in Datameer.	 Bug fixed.
6	<b>TDE/Hyper export with UNICODE symbols over U+D7FF fails job/crashes Datameer (in local ef)</b>	DAP-39164
	Characters that caused a crash when exporting a sheet to Tableau are replaced with HTML entities. Such replacements are logged in the application log.	 Bug fixed.
7	<b>Workbook: variables in formula editor are highlighted in red</b>	DAP-39155
	Defined variables are no longer highlighted as an error in workbook sheet formulas or SQL queries.	 Bug fixed.
8	<b>Workbook: error message is shown after duplication of a Recommendation or Column Dependencies sheet</b>	DAP-39104
	No error message is shown after duplication of a Recommendation or Column Dependencies sheet.	 Bug fixed.
9	<b>Workbook: editor for SQL query not working correct in some cases</b>	DAP-39062
	The SQL query editor now handles <space> and <return> key strokes as well as working with auto completion in the correct way.	 Bug fixed.
10	<b>Datameer is missing the "X-XSS-Protection" HTTP response header</b>	DAP-39048
	`X-XSS-Protection: 1; mode=block` is set in the header of every response coming from the Datameer backend.	 Bug fixed.
1 1	<b>Workbook: show correct status bar and error/info dialog if workbook has status "timed out"</b>	DAP-39044
	Datameer now shows the correct status bar and error or information dialog when a workbook has been timed out.	 Bug fixed.
12	<b>Can't read DECIMAL from an Avro file</b>	DAP-39006

	Datameer now imports Avro data with primitive type <b>bytes logicaltype decimal</b> as BIG_DECIMAL in Datameer.	 Bug fixed.
<b>1 3</b>	<b>Workbook - Datasource Sheet: a schema change or an encoding change of the referenced import job breaks loading of the referencing workbook</b>	<b>DAP-38848</b>
	Datameer now opens the referencing workbook after a schema or encoding change to the referenced import job.	 Bug fixed.
<b>1 4</b>	<b>Workbook: Data link with workbook pushdown filter reported total records are not always transparent</b>	<b>DAP-37857</b>
	Datameer now distinguishes more clearly between availability of metrics for total and sample records. (Instead of displaying a count of total rows for a Datalink used by a workbook with a filter condition, we show the message "Showing <number> rows of an unknown number of total rows").	 Bug fixed.

## 7.5.2.1 Release Notes

### Bug Fixes

<b>1</b>	<b>Can't create a Variable in the Admin section if Datameer serves via SSL</b>	<b>DAP-39167</b>
	The mentioned source gets called via HTTPS as well when SSL/TLS is enabled in Datameer.	

## 7.5.2 Release Notes

### New Feature

<b>1</b>	<b>Certify Hive Plugin for Amazon's EMR Distribution 5.24 to the Standard Datameer Application</b>	<b>DAP-38274</b>
	Improved connector to allow Hive access on EMR.	

### Improvements

<b>1</b>	<b>Improve responsiveness of UI for customers with large number of job executions</b>	<b>DAP-39030</b>
	Querying very large tables for job executions could take seconds, rendering the file browser UI unusable. Datameer now has an index for the job_status column in the metadata database to speed information queuing and display.	
<b>2</b>	<b>Integrate Plug-in Code into Plug-in NMU to notify users by email when jobs fail due to missing/stale keytab</b>	<b>DAP-38761</b>
	Users get now notified by email when a Datameer job is failing because of a missing or stale keytab file.	
<b>3</b>	<b>Workbook Variables: improve icon and edit behaviour</b>	<b>DAP-38879</b>
	Datameer now switches to edit mode for workbook variables and renders buttons active/inactive according to their expected states.	

4	<b>No plugin with id '&lt;plugin_name&gt;' found for deserializing class '&lt;plugin_internal_class&gt;'</b>	DAP-38023
	Datameer now handles occurrences of <a href="#">YARN-359</a> or <a href="#">YARN-6641</a> gracefully so that errors indicating a specific plug-in isn't available can be mitigated. The workaround can be activated with the <code>das.cluster.plugin.resources.fixer.enabled</code> property.	
5	<b>Pivot Workbook Inspector: do not show red border and 'Select values to include' if column was removed manually</b>	DAP-38910
	Datameer now renders an empty column selection field for column names that do not exist.	

## Bug Fixes

1	<b>Hive Plug-in - Export: Data-driven Hive ExportJobs submitting with random impersonated user</b>	DAP-39046
	Datameer now runs the Hive export job with correct user impersonation.	 Bug fixed.
2	<b>Datameer can't recognise Int32 and Int64 Decimal values on a Parquet File Ingestion</b>	DAP-39110
	Datameer now can handle Parquet files containing Binary, Fixed, INT32 and INT64, as well as DECIMAL column types	 Bug fixed.
3	<b>Workbook can not update SQL sheet when variable was deleted</b>	DAP-39014
	Datameer now allows to update a SQL Sheet with a valid query, even if former referenced workbook variable doesn't exist anymore.	 Bug fixed.
4	<b>Workbook: Pivot inspector - no hint when column is chosen but no value was selected</b>	DAP-39128
	Datameer renders a red border and indicates an error, if a column was chosen but no value was selected.	 Bug fixed.
5	<b>RESTv2 call to stop a job responds with error</b>	DAP-38985
	The REST call responds now with status 200 and stops the referenced job.	 Bug fixed.
6	<b>After re-run on a partitioned DataLink, partition information is missing in the workbook</b>	DAP-38271
	Datameer renders the partition information for a datalink in the Sunburst for selection, even if the datalink was triggered in between again.	 Bug fixed.
7	<b>Hive Plug-in: Transport Mode HTTP with Table Filter set to "Table and View" leads to an error on Kerberos secured environments</b>	DAP-38979
	This setup and configuration combination no longer generates an error.	 Bug fixed.
8	<b>Hive Plug-in: Hive Metastore - Create Delegation Token for Kerberos Secured Hive independent of configured Impersonation Mode</b>	DAP-39034
	Datameer now creates the required delegation token for accessing a Kerberos Secured Hive.	 Bug fixed.
9	<b>Pivot Sheet: Closing the error dialog with Enter or Escape key doesn't work</b>	DAP-39008
	Dialogs for Pivot Sheet operations now handle Enter and Escape key submissions in the expected way.	 Bug fixed.

10	<b>NPE when configure plug-in where preferences extension are disabled</b>		DAP-39091
	Datameer now correctly handles disabling an extension point of plug-in and does not produce a "NullPointerException".		 Bug fixed.
11	<b>Upgrade: Many Workbooks failing after upgrading to 7.4.6 because of wrong auto-resource computation</b>		DAP-39055
	Datameer auto-resource computation for required vCores no longer results in zero.		 Bug fixed.
12	<b>Undo/Redo throws exception after reorder SQL sheet with variable</b>		DAP-38882
	Undo/Redo now works without errors when re-ordering SQL sheets with variables.		 Bug fixed.
13	<b>Workbook: invalid CSRF token shows error message over actual warning</b>		DAP-39026
	Datameer only shows the warning message for the invalid session.		 Bug fixed.
14	<b>Wrong icons on workbook</b>		DAP-39105
	Datameer now renders the correct icons in the workbook.		 Bug fixed.
15	<b>Add new "Timed out" icon for jobs</b>		DAP-38769
	Datameer renders the time-out icon on job run details and job history page.		 Bug fixed.
16	<b>Workbook: Sunburst does not open for second sheet when adding data of 2 workbooks</b>		DAP-38284
	Datameer renders the Sunburst for partition selection for every partitioned data source of a workbook.		 Bug fixed.
17	<b>Workbook exchange data source should respect "kept" attribute of the datasource being replaced</b>		DAP-39001
	When exchanging a datasource, the "kept" flag respects the original data sheet "kept" value.		 Bug fixed.
18	<b>Workbook: wrong syntax highlighting on formula sheets</b>		DAP-39130
	Datameer now renders with the correct syntax highlighting in workbook formulas.		 Bug fixed.
19	<b>Cross-Site Scripting Vulnerability in Advanced Filter Dialog and SQL Sheet Query input fields</b>		DAP-39149
	Advanced filter dialog and SQL sheet query input fields are not vulnerable to Cross Site Scripting attempts.		 Bug fixed.
20	<b>Memory-Backed Map-Side Join will never be chosen when input is two Data Links</b>		DAP-39095

The chosen join algorithm will be MEMORY\_BACK\_MAP\_SIDE when two data links are being joined and at least one of the sides is small.



Bug fixed.